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Substitute for form 1449/PTO				Complete if Known		
				Application Number	NOT YET ASSIGNED 10/646.68	
INE	OPMATIO	N DISCLO	CHDE	Filing Date	8/22/03	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				First Named Inventor	FERMANDEZ, D.	
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(Use as many sheets as necessary)			)	Examiner Name	NOT YET ASSIGNED M. My Cla	
Sheet	1	of	9	Attorney Docket Number	FERH-POIL	

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Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MM	1.	US-6, 402, 689 31	6/11/2002	Scarantino, et al.	
, W	2.	US- 6,122,536	9/19/2000	Sun, et al.	<del></del>
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	15	US-6,514,689 BZ	2/4/2003	Han et al	
	16	US-6.486.588 BZ	11/26/2002	Dovon et al	
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V	18	US-6,475,750 B)		Han et al	
A	19	US-6,544, 193 BZ		Abrey, et al.	

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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
	ļ	Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>3</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
MM	1.	WO 94 100818	01/06/1994			
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Examiner Signature	M. Miller	Date Considered	5/	<u> </u>	2006
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Translation is attached.

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Substitute for form 1449/PTO				Complete if Known			
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INFORMATION DISCLOSURE				Filing Date	8/22/03		
STATEMENT BY APPLICANT				First Named Inventor	FERNANDEZ, D.		
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				Examiner Name	NOT YET ASSIGNED M. Miller		
Sheet	3	of	9	Attorney Docket Number	FERN-POI3		

<u></u>		NON PATENT LITERATURE DOCUMENTS	•
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	1.	AFFECTIVE JEWELRY; AFFECTIVE COMPUTING RESEARCH PROJECT, BY JEHHIFER HEALEY & GRANT GOULD.	
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	2.	HYBRID BIOSENSORS; DAVID A. BORKHOLDER, B. DEREK DE BUSSCHERE,	
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	4.	GREGORY. T. A. KOVACS; ELECTRICAL ENGINEERING DEPARTMENT	
		CENTER FOR INTEGRATED SYSTEMS, STANFORD UNIVERSITY	
	_	PLASTIC - BASED DISPOSABLE SMART BIOCHIPS WITH INTEGRATED BIOSENSORS	
-	5.	FOR BLOOD ANALYSIS AND CLINICAL DIAGNOSTICS; CHONG H. AHN &	
		JIN-WOO CHOI, MICRO SYSTEMS AND BIOMEMS LAB.	
P		DEPARTMENT OF ELECTRICAL & COMPUTER ENGINEERING AND	
		COMPUTER SCIENCE, UNIVERSITY OF CINCINNATI	
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Sheet	4	of	9	Attorney Docket Number	FERN- POI3

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	-	JIM ROGERS, JULIE QUICK, "USDA STRENGTHENS 2003 PERMIT	
	<del>†.</del>	CONDITIONS FOR PIELD TESTING GENETICALLY ENGINEERED PLANTS"	
		HUI DU, MATTHEW D. DISNEY, BENJAMIN L. MILLER, AND TODD D. KRAUK	
MM	8.	HYBRIDIZATION - BASED UNQUENCHING OF DNA HAIRPING ON AU SURFACES	
		PROTOTYPICAL "MOLECULAR BEACON" BIOSENSORS." JACS; J. AM. CHEM. SOC., 125: 4012-13 (2003).	
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		DITORE " - 11 DECEMBER, 2002	
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	,,	FOOD SCIENTISTS TO ASSESS BIOTERRORISM PISK"; RELITERS	
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		LABORATORY TESTS THAT DETECT CANCER : THE CANCER CURE FOUNDATION	
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	ic	RATA MICHRA; ADVANCES REGIN TO TAME CANCER; RETRIEVED	7/6/20
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	18.	GENOMIC ADVANCES OF PAST DECADE ARE REAL: ORDONEZ; By	
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		http://www.inrakenews.com/nealth-it world/e-article 000165177.cfm?	*********
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	11.	unnecessary use of certain dauge.	
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<b>/</b> ///	20.	BIOSENSORS: MICROFLECTRONCS MARRIES BIOLOGY; BY JEHHIFER THE INDUSTRIAL PHYSICS; P. 11-12; 14  QUELLETTE; SEPTEMBER 1998 @ AMERICAN INSTITUTE OF PHYSICS	
		CMOS-ONLY SENSORS AND MANIPULATORS FOR MICROORGANISMS;	
İ	21.	G. MEDORO, M. MANARESI, M. TARTA GNI AND R. GUERRIGRI	

Examiner Signature	en. Miller	Date Considered	5.2.2006

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INFORMATION DISCLOSURE	Filing Date	8/22/03	
STATEMENT BY APPLICANT	First Named Inventor	FERNANDEZ, D.	
	Art Unit	NOT SET PSEIGNED 1621	
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Sheet of 9	Attorney Docket Number	FERN-POIS	

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	₽6.	SHORT-TERM CANINE IMPLANATATION OF A GUI DE MONITORING	
		TELEMETRY DEVICE; ATANASOV, ?.; YANG. S.; SALEHI, C.; GHINDILIS, A. L.; WILKINS, E. A. & SEBBARK	
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				Art Unit	NOT YET ASSIGNED 1631		
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Sheet	7	of	9	Attorney Docket Number	FERN-POIS		

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	27	MEDICAL MICROMACHINES: NEW ATDC COMPANY DEVELOPING	
	-10-1	IMPLANTABLE BLOOD PRE AND FLOW SENSOR BASED ON	
		MICRO ELECTRO-MECHANICAL SYSTEMS (MEMS) TECHNOLOX	-
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	-0	MINIATURE IMPLANTABLE SENSOR LIFELY LIFESAVER FOR	
	18.	PATIENTS, DAK RIDGE, TENN, NOV 22, 2002	-
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		PANCREAS COMPONENTS	
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	]	SURFACES" .; ANAND RAMAKAISHNAN AND AJIT SADANA; CHEMICAL	
		ENGINEERING DEPARTMENT, UNIVERSITY OF MISSISSIPI, P.O. BOX 1818	
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	31.	BIOSENSORS FOR BLOOD ANALYSIS AND CUNICAL DIAGNOSTICS." 3	
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		ahn.htm.B	

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				Application Number	NOT YET ASSIGNED	
INFO	RMATION D	ISCLO	SURE	Filing Date	8/22/03	
STA	TEMENT BY	APPLI	CANT	First Named Inventor	FERNANDEZ, D.	
				Art Unit	1691 DEST PESTONED 1631	
	(Use as many sheets a	s necessary)		Examiner Name	NOT JET ASSIGNED M. MYCCOL	
Sheet	8	of	. 9	Attorney Docket Number	FERN-POI3	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
МИ	32.	"GEHE VARIANT TIED TO INCREASED SUSCEPTIBILITY TO CANCER RESEARCH FIND OTHER FACTORS ARE ALSO PART OF EQUATION."	
		DAVID PERLMAN; WEDNESDAY, AUGUST 6, 2003.  URL: http://sfgate.com/cqi-bin/article.cqi?f=/e/a/2003/08/06/	
		MN131526,DTL. (P. 1-2)	
MM	33.	"CANARY CHIP WARNS OF DANGER FROM BIOAGENTS"; RHONDA ASCIERTO; WWW. SVbizīnk.com; FRIday, June 20, 2003. (p.)-2	
MH	34.	"Microarrays & PROTEIN CHIPS GLOSSARY",  http://www.genomicglossaries.com/content/printpage.asp? REF =/content/	
		Microarrays x protein; RETRIEVED 6.27.2003; (p.1-20)	
МН	35,	"MICROARRAYS & PROTEIN CHIPS CATEGORIES";  http://www.genomicglossaries.com/content/printpage.asp?REF =/content/	**********
		Microarrays & protein; RETRIEVED 6,27-2003/p.1-23)	
МН	<b>3</b> 6.	JIM ROGERS; JULIE QUICK; "USDA STRENGTHENS 2003 PERMIT CONDITIONS FOR FIELD TESTING GENETICALLY ENGINEERED  PLANTS TILLING AND CONTRACT	**********
		PLANTS "; http://www.usda.gov/news/releases/2003/03/aphis 030603. htm.; PRESS RELEASE FROM ANIMAL & PLANT HEALTH	ĪΝ
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M. Miller 5.2.206 Examiner Date Signature Considered

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Application Number	HOT YET ASSIGNED	
Filing Date	8/22/03	
First Named Inventor	FERNANDEZ, D.	
Art Unit	NOT YET POSTENED 1631.0	
Examiner Name	MOT YET ASSIGNED M. MILLS	
Attomey Docket Number		
	Filing Date First Named Inventor Art Unit	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
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		MANUFACTURING; JOURNAL: SENSOR BUSINESS DIGEST	••••
	38	"AN IMPLANTABLE DEVICE TO PREDICT AND PREVENT SEIZURES"	
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		DISORDERS AND STROKE.	
,		"WIRELESS NETWORKING SOLUTIONS FOR SMART SENSOR BIOMEDICAL	
	39.	APPLICATIONS"; BY SCHWIEBERT, LOREN; WAYNE STATE UNIVERSITY	
.,		\$	
•	-	ELECTRICAL & COMPUTER ENGINEERING.	
	40.	À 128 X 128 CMOS BIO-SENSOR ARRAY FOR EXTRACELLULAR RECORDINGOF HEURAL-ACTIVITY; EVERSMANN, et al.; 2003 IEEE INTERNATIONAL SOUID.	••••• 
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	41.	CHIP SENSES TRACE DNA; AN MIT ENTERPRISE TECHNOLOGY REVIEW.	
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( Signature ) Considered	Examiner Signature	M. Myller	Date Considered	5.2.2006
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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not

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Sheet 1

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known		
Application Number	10/646,682	
Filing Date	8/22/2003	
First Named Inventor	Dennis S. Fernandez	
Art Unit	3730 1631	
Examiner Name	Not Yet Assigned M. Myllh	
Attorney Docket Number	FERN-P013	

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (J known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
MH	1	<sup>US-</sup> 6,042,548	3/28/2000	Giuffre, et al.	
M	2	<sup>US-</sup> 2003/0008407 A1	1/9/2003	Chi Yung Fu	
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>6</sup>
MM	1	WO 03/005628 A3	1/16/2003	Watkins, Steven		
MM	2	WO 97/09678 A1	3/13/1997	Laurino, Joseph		
MM	3	WO 01/78652 A3	10/25/2001	Kaddurah-Daouk		
MM	4	WO 02/06566 A1	1/24/2002	Kooistra, et al		
MM	5	WO 2003/017177 A3	2/27/2003	Van Der Greef		
MM	6	WO 02/09119 A1	1/31/2002	Takahashi		

Examiner Signature	M. Miller	Date Considered	5/1	106

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Sheet 2

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known			
Application Number	10/646,682		
Filing Date	8/22/2003		
First Named Inventor	Dennis S. Fernandez		
Art Unit	10-ra-e 1/ \1		
Examiner Name	Not Yet Assigned M, M'lls		
Attorney Docket Number	FERN-P013		

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Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (J known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T <sup>®</sup>
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Examiner Signature		Date Considered	
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INFORMATION DISCLOSURE

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Sheet 1

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STATEMENT BY APPLICANT (Use as many sheets as necessary)

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Complete if Known			
Application Number	10/646,682		
Filing Date	8/22/2003		
First Named Inventor	Dennis S. Fernandez		
Art Unit	3736 1630		
Examiner Name	Not Yet Assigned M. M. Cli		

Attorney Docket Number FERN-P013

				DOCUMENTS			
Examiner Initials*	Number-Kind Code <sup>2 (F known)</sup>		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
MM	1	<sup>US-</sup> 2003/0033168 A1	2/13/2003	Califano et al.			
MM	2	<sup>US-</sup> 2002/0197632 A1	12/26/2002	Moskowitz •			
M	3	US- 2004/0006433 A1	1/8/2004	Robson et al.			
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Substitute for form 1	449/PTO			Complete if Known	
			Application Number	10/646,682	
		CLOSURE		8/22/2003	
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	many shoots as h		Examiner Name	Not Yet Assigned M. Mylle	
Sheet 2	of	2	Attorney Docket Number	FERN-P013	

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Examiner	Date
Signature	Considered

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Sheet 1

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known				
Application Number	10/646,682			
Filing Date	8/22/2003			
First Named Inventor	Dennis S. Fernandez			
Art Unit	3736 1 6 2			
Examiner Name	Not Yet Assigned M. My Cle			
Attorney Docket Number	FERN-P013			

**U. S. PATENT DOCUMENTS** Cite Examiner **Document Number Publication Date** Name of Patentee or Pages, Columns, Lines, Where Initials\* No. MM-DD-YYYY Applicant of Cited Document Relevant Passages or Relevant Number-Kind Code<sup>2 (# known)</sup> Figures Appear <sup>US-</sup> 2005/0101841 A9 1 05-12-2005 Kaylor, et al. US-US-US-US-บร-US. US-US-US-US-ŪS-US-US-US-US-US-

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	ute for form 1449/PTO			re required to respond to a collection	Complete if Known		
•				Application Number	10/646,682		
INF	ORMATION	DIS	CLOSURE	Filing Date	8/22/2003		
STA	ATEMENT E	BY A	PPLICANT	First Named Inventor	Dennis S. Fernandez		
	(Use as many she	ate se n	aressani)	Art Unit	3736 16 31		
	jose as many sne			Examiner Name	Not Yot Assigned M, Miller		
Sheet	2	of	2	Attorney Docket Number	FERN-P013		

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Initials*	No. <sup>1</sup>	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE nder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO Application Number 10/646,682 Filing Date 8/22/2003 INFORMATION DISCLOSURE First Named Inventor Fernandez, Dennis S. STATEMENT BY APPLICANT Art Unit <del>3736</del> (631 (Use as many sheets as necessary) **Examiner Name** Not Yet Assigned M. M. Attomey Docket Number FERN-P013

				DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Document Number  Number-Kind Code <sup>2</sup> (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevan Figures Appear
44	4	US-2005/0101841	5/12/2005	Kaylor et al.	
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				Application Number	10/646,682
INFO	ORMATION	DIS	CLOSURE	Filing Date	8/22/2003
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Sheet	2	of	2	Attorney Docket Number	FERN-P013

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Cor	mplete if Known
Application Number	10/646,682
Filing Date	8/22/2003
First Named Inventor	Dennis S. Fernandez
Art Unit	3736 1631
Examiner Name	Not Yet Assigned M, Mylle
Attamen Decket Number	EEDN DO13

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Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (* known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Application Num	ber 10/646,682
INFORMATION DISCLOSURE Filing Date	8/22/2003
STATEMENT BY APPLICANT First Named Inve	Dennis S. Fernandez
. Art Unit	3236 (6 7)
(Use as many sheets as necessary) Examiner Name	Not Yet Assigned M. Mille
Sheet 2 of 2 Attorney Docket N	Number FERN-P013

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